

HOYA NEW



Photo by RDK. On fallen tree on Tonsu Hill, Central Sulawesi 1994

A photo taken in 1994 in Central Sulawesi. Plant on an abandoned Cocoa tree along the road south of Tentena, a mountainous region.

Oh There it is !

A pdf publication devoted to the Genus

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Contents

When a species is collected from the wild, I feel it is wise to identify it, propagate it and name it. In this way it will eventually get it into commercial channels, be distributed to all those interested in this genus and thus be preserved. If in the future the species is lost through natural causes or forest destruction it will still be here on earth in your collection.

The following new species are presented in PDF format with ISSN number. Check posting on my website “<http://.hoyardk.wix.com/Kloppenburger>” under publications.

1. **Hoya frakeii** Kloppenburg 2019
2. **Hoya galenii** Kloppenburg 2019

Hoya frakeii Kloppenburg 2019

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Hoya frakeii Kloppenburg sp. nova, holotypus 38435 (PNH) hic designatus. This new species was collected by Charles O. Frake in Zamboanga del Norte 17 March 1958, Mindanao, Philippines. The type sheet species name is not identified.(only Hoya) See sheet at the end. Was under Hoya merrillii Schlechter sheet list at (PNH). Fits this species except for the short ovaries, and Retinacula-Pollinia ratio different also leaf base not ovate and more narrow 2.5 cm versus 5-6 cm. Calyx here 0.15 cm vs. 0.1 cm. Here the retinacula is not rhomboid but Shield shaped. Also here the inner pollinia end are tapered not round. Compare the type sheets at end.

Stem 0.25 cm in diameter, internodes 2-8 cm or more long, glabrous.

Blade: ca. 9 cm c 2-2.5 cm, glabrous, essentially palmate 5 nerved entire, undulant.

Petiole: 1-1.8 cm most 1 cm x 0.2 cm, does not appear grooved.

Peduncle: 2.5 cm x 0.2 cm Rachis a little enlarged.

Pedicel: 1.8 cm x 0.03 cm glabrous.

Calyx: -.15 cm, ovate, glabrous $\frac{1}{4}$ overlap.



Side view of the flower enlarged about 8x. Corolla inside pubescent outside glabrous, punctate, lobes are channeled below, outer lobes raised with acute apices. Flower color yellow.

Sinus – sinus	0.23 cm
Sinus – center	0.30 cm
Sinus – apex	0.35 cm
Apex – center	0.60 cm

Corona. glabrous, dorsal concave with a central ridge and forward umbo. Inner apex dentate. a short column below.

Apex – apex	0.30 cm
Apex – center	0.38 cm
Widest	0.15 cm



Pollinarium with scale below the object.

Pollinium

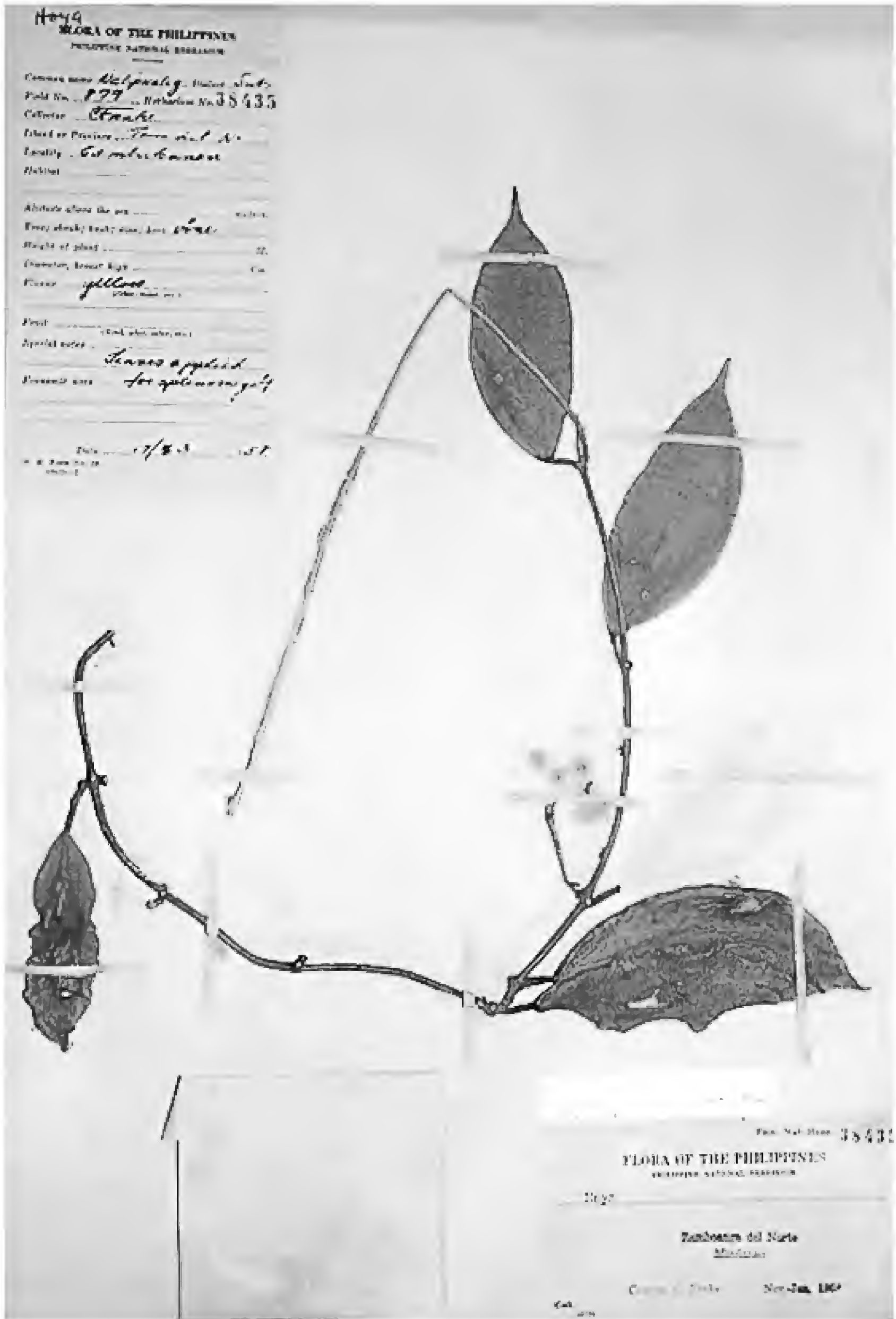
length	0.45 mm
widest	0.17 mm

Retinaculum

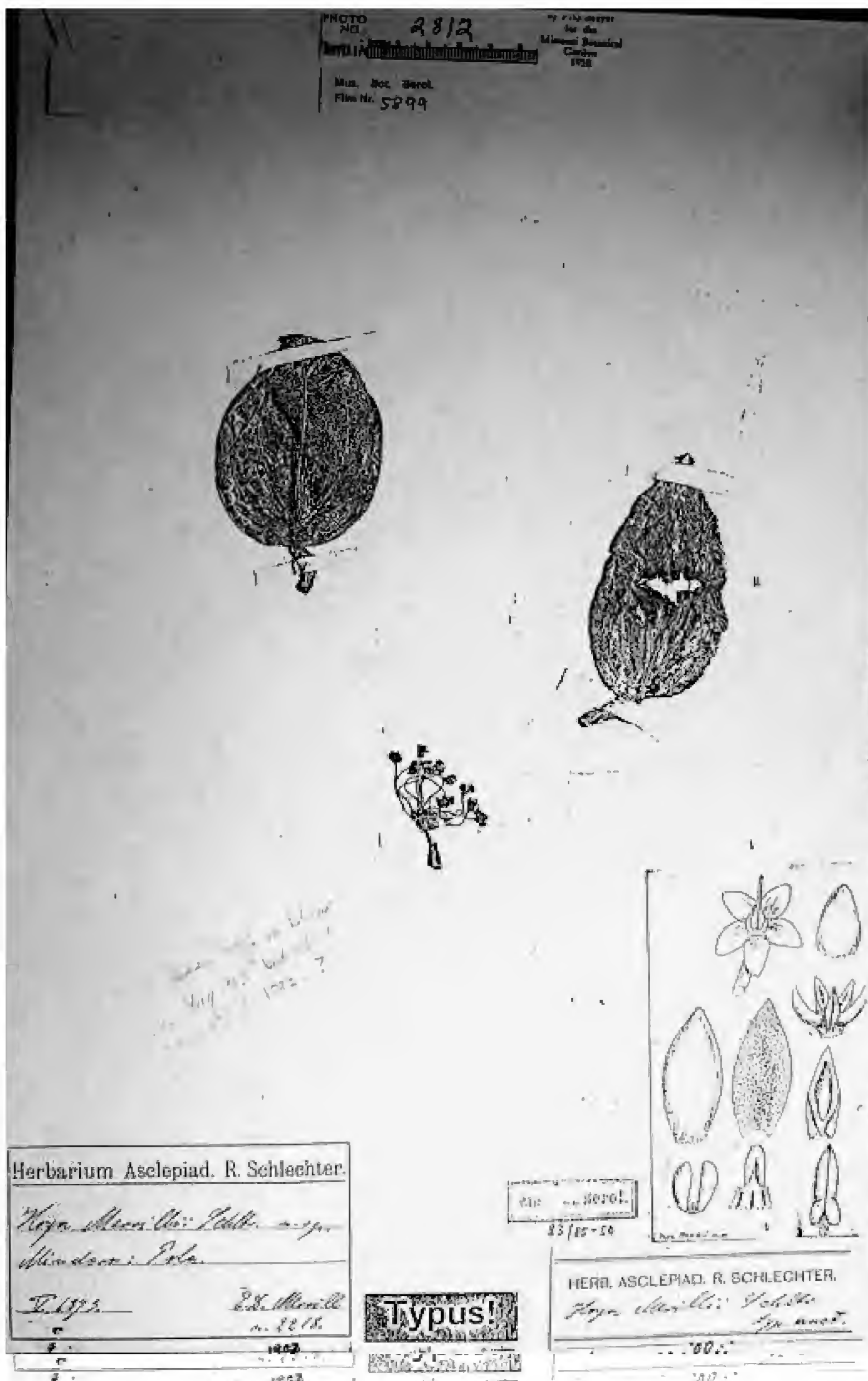
length	0.16 mm
shoulder	0.16mm
waist	0.06 mm
hip	0.11 mm

A reduced copy of the type sheet below.

Followed by the type Sheet of **Hoya merrillii** Schlechter, 1904, Type # 2281 (B)



Hoya merrillii Schlechter, 1904, Type # 2281 (B)



Hoya galenii Kloppenburg 2019

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Hoya galenii Kloppenburg sp nova holotypus 10085 (PNH) hic designatus. Named for one of the collectors Galen & Sagcal. Collected in **Tawi-Tawi** 23 May 1994. There is no other Hoya with the pollinia as measured below. Although placed as Hoya Merrill Schlechter 1904 by comparison: Here the peduncle is 7 cm long versus 2 cm the peduncle is slightly shorter, the calyx is longer 0.18 cm versus 0.1 cm also here the coronal lobes exceed the corolla sinuses. Among other differences. Details follow.

Stems fine nodes enlarged internodes 7 cm long, glabrous, leaf blades 9 cm x 5 cm broad ovate rounded base and subcordate. both surfaces glabrous, apex acuminate, acute tri-ple nerved edges a little undulant.

Petioles: brown 1.5 cm long channeled above.

Peduncle: 7 cm long, terete, filiform glabrous.

Rachis, here long finely bracteate circular.

Pedice: 1 – 1.5 cm long x 0.03 cm in diameter very fine, glabrous 10-15, flowers yellow-orange, from Evergreen forest.

Calyx: 0.18 cm x 0.14 cm overlap $\frac{1}{2}$.



Outside surface of the corolla enlarged about 8x. Surface is glabrous and granulate.

Sinus – sinus	0.27 cm
Sinus – center	0.22 cm
Sinus – apex	0.30 cm
Apex – center	0.45 cm
Widest	0.26 cm



Inside view of the flower with corolla in place. Corolla is pubescent , coronal lobes acute at both ends and outer lobe exceeds the corolla sinuses. Inner lobes dentate and do not reach the center. There is a keel in the lobe centers, which is concave.

Apex – apex	0.29 cm
Apex – center	0.32 cm
Widest	0.12 cm
Ret- ret.	0.08 cm
Aw. – aw.	0.15 cm

Dorsal concave with central rounded keel with forward umbo, horizontal.



Bottom view of the corona enlarged about 16x. Lobes are channelled to even with the sinus thickened central column. Anther wings are a little thick and protrude slightly, outer coronal apex sharply acute.



Pollinarium enlarged about 165x.

Pollinium	
length	0.45 mm
widest	0.15 mm

Retinaculum	
length	0.18 mm
shoulder	0.16 mm
waist	0.06 mm
hip	0.11mm
ext.	0.06 mm

Translators	
length	0.11 mm
widest	0.03 mm

Caudicle	
bulb diam.	?

Inner lobes tapered T

Retinacula: shield S